

**PLANT ANATOMY Lecture 26 - Angiosperm Life Cycle**

- I. Life cycle from before: cell division - growth - DNA duplication - prep. for division - division**
- II. Sporic life cycle: alternation of generations - sporophyte (plant) & gametophyte (pollen tube or embryo sac)**
  - A. Sporophyte (produces spores - pistil & stamen)**
  - B. Meiosis produces microspores & megaspores**
  - C. Some mitosis occurs - get lots of stuff including egg and sperm**
  - D. Pollination leads to pollen tube & embryo sac**
  - E. Double fertilization**
    - 1. Egg and sperm - zygote**
    - 2. Central cell and sperm - primary endosperm**
  - F. Seed - - - - - eventually a plant and starts over again**
- III. Details of the sporic life cycle**
  - A. SEE FLOW DIAGRAM**